Intelligent Synthesis Environment : US Government Agencies Workshop

June 23-24, 1999

Intelligent
Synthesis
Environment

… Revolutionizing Engineering and Science Practice

Dr. John B. Malone

Director, ISE Transition Office

Intelligent Synthesis Environment (ISE)
US Government Agencies Workshop
<u>Agenda</u>

<u>**June 22 -am**</u>

8:30 - Opening Remarks – Samuel L. Venneri, NASA Chief Technologist

  - Workshop Logistics, Agenda and Objectives – Dr. John B. Malone, Director, ISE Program Office (ISEPO), NASA Langley Research Center (LaRC)

9:00 - Overview of the ISE Initiative - Dr. Malone

9:45 - Break

10:00 - Overviews of Individual ISE Initiative Elements

- Rapid Synthesis and Simulation Tools – Dr. Jerrold M. Housner, Deputy Director, ISEPO
- Cost and Risk Management Technology – Arlene A. Moore, NASA-LaRC, Element Manager
- Life-Cycle Integration & Validation – Ronnie E. Gillian, NASA LaRC, Element Manager
- Collaborative Engineering Environment – Douglas A. Craig, NASA, LaRC, Element Manager
- Revolutionize Cultural Change, Training and Education – G. Randall Seftas, NASA   Goddard Space Flight Center, Element Manager

10:45 - Other NASA Initiatives/Programs with ISE-related Elements – Dr. Housner

- Overview of the Intelligent Systems (IS) Initiative – Dr. Brian J. Glass, NASA Ames Research Center
- Other Related NASA Programs

12:00 - 1:00 Lunch

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Agenda, Continued

June 22 - pm

1:00 - Non-NASA Government Agency Programs – Dr. Malone

- 1:00 - Title TBD – Mr. Gary W. Jones, Office of the Undersecretary for Logistics, DOD

- 1:30 - Title TBD - Dr. Steven R. Ray, Manufacturing Systems Integration Division, NIST

- 2:00 - DOE's Advanced Design and Production Technology Initiative – Mr. Charles E. Stuart, Defense Programs Office, DOE

2:30 - Break

- 3:15 - Undersea Weapons Design and Optimization – Dr. Kam W. Ng, Office of Naval Research

- 3:45 - Title TBD – Dr. David Moorhouse, Flight Vehicles Directorate, AFRL

- 4:15 - The DOE Fossil Energy Virtual Demonstration Program – Dr. Thomas J. O'Brien, Federal Energy Technology Center, DOE

4:45 - Close

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Agenda, Continued

<u>**June 23, 1999**</u>

8:30 - Continuation of Government Agency Presentations – Dr. Housner

8:30 - Visualization and Virtual Reality Research at NIST – Mr. Brian Antonishek, Information
Technology Laboratory, NIST

9:00 - Collaborative Technologies, Tools, and Environments to Advance the Use of Advanced
Computing – Dr. Mary Anne Scott, DOE

9:30 - Multidisciplinary Research for Aerospace Science in Air Force Research Laboratory   -
Dr. Joseph S. Shang, Center of Excellence for Computation, Flight Vehicles   Directorate, AFRL

10:00 - Break

10:15 - Data Visualization Corridors – DOE (Speaker TBD)

10:45 - DOE's Scientific Simulation Initiative – DOE (Speaker TBD)

11:15 - Title & Author TBD – Materials and Manufacturing Directorate, AFRL

11:45 - Discussion – Dr. Malone processes for program coordination next steps

12:00 - Lunch

 1:00 - Continuation of Discussion – Dr. Malone

 4:00 - Adjourn